

Title (en)

DRILL STRING TELEMETRY WITH INSULATOR BETWEEN RECEIVER AND TRANSMITTER

Title (de)

MESSIGNALÜBERTRAGUNG FÜR BOHRGESTÄNGE MIT EINEM ISOLATOR ZWISCHEN DEM EMPFÄNGER UND DEM SENDER

Title (fr)

APPAREIL DE TELEMETRIE DESTINE A UN TRAIN DE TIGES ET PRESENTANT UN ISOLANT ENTRE LE RECEPTEUR ET L'EMETTEUR

Publication

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Application

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Priority

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- US 9919125 W 19990824

Abstract (en)

[origin: WO0013349A1] The present invention is a well data telemetry apparatus and method of its use. The apparatus generally comprises a signal generator (12) capable of generating a signal at a first location of a well, a receiver (20) capable of detecting the signal at a position spaced from the generator, and an electrical insulator (26) disposed between at least a portion of the generator and the receiver. The apparatus preferably utilizes electromagnetic signals to gather telemetry data from an oil or gas well. The present invention is particularly useful as part of a drill string for gathering telemetry data concerning formation characteristics at or near the drill bit.

IPC 1-7

H04H 9/00; **G01V 3/00**; **G01V 1/00**; **E21B 33/00**; **E21B 33/03**; **E21B 33/04**; **E21B 33/047**; **E21B 34/16**; **E21B 43/10**; **E21B 7/04**; **E21B 7/24**; **H01R 4/60**; **H01R 4/64**

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